

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

pcDNA4/TO/cmycDrosha

RRID:Addgene_10828

Type: Plasmid

Proper Citation

RRID:Addgene_10828

Plasmid Information

URL: <http://www.addgene.org/10828>

Proper Citation: RRID:Addgene_10828

Insert Name: Drosha

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15589161](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5017; Vector Backbone:pcDNA4/TO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA4/TO/cmycDrosha

Record Creation Time: 20220422T221525+0000

Record Last Update: 20260919T090453+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA4/TO/cmycDrosha.

No alerts have been found for pcDNA4/TO/cmycDrosha.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Liao GR, et al. (2021) The orf virus (ORFV) protein OV20.0 interacts with the microprocessor complex subunit DGCR8 to regulate miRNA biogenesis and ORFV infection. *FEBS letters*, 595(23), 2897.

Pandolfini L, et al. (2019) METTL1 Promotes let-7 MicroRNA Processing via m7G Methylation. *Molecular cell*, 74(6), 1278.

Rupaimoole R, et al. (2014) Hypoxia-mediated downregulation of miRNA biogenesis promotes tumour progression. *Nature communications*, 5, 5202.

Torrezan GT, et al. (2014) Recurrent somatic mutation in DROSHA induces microRNA profile changes in Wilms tumour. *Nature communications*, 5, 4039.

Velagapudi SP, et al. (2014) Sequence-based design of bioactive small molecules that target precursor microRNAs. *Nature chemical biology*, 10(4), 291.

Ballarino M, et al. (2013) TAF15 is important for cellular proliferation and regulates the expression of a subset of cell cycle genes through miRNAs. *Oncogene*, 32(39), 4646.

Tang X, et al. (2010) Phosphorylation of the RNase III enzyme Drosha at Serine300 or Serine302 is required for its nuclear localization. *Nucleic acids research*, 38(19), 6610.